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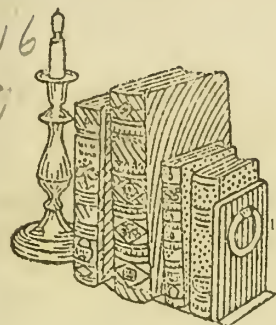
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"Library services are essentially part of the practical apparatus of intellectual cooperation."

--E. J. Carter, UNESCO

BOOKS RECENTLY RECEIVED

ADVANCES IN AGRONOMY, edited by A. G. Norman. Academic press, 1949. 439p.
30 Ad9

This is volume one of Advances in Agronomy, prepared under the auspices of the American Society of Agronomy. It "has as its objective the survey and review of progress in agronomic research and practice. The articles are written by specialists. They are critical and reasonably comprehensive in treatment. They are written primarily for fellow agronomists across the hall and across the continents who also find it difficult to keep well informed in all phases of agronomy. The authors of this volume all live on the North American continent, and it is primarily North American agronomy that is reviewed. It is not intended that this shall always be the case, and contributions to later volumes will be sought from workers in other countries." From Preface.

The articles in this volume are entitled: Plant Growth on Saline and Alkali Soils, New Fertilizers and Fertilizer Practices, Soybeans, The Clay Minerals in Soils, Alfalfa Improvement, Soil Microorganisms and Plant Roots, Weed Control, Boron in Soils and Crops, Potato Production, Fixation of Soil Phosphorus.

A STUDY OF THE ECOLOGY AND ECONOMIC VALUE OF CROP FIELD BORDERS, by C.A. Dambach. Ohio State Univ. Press, 1948. 205p. 412.9 D18

This is the report of an intensive biologic and economic study of field borders in relation to crop fields conducted in an agricultural area in southwestern Ohio over a three-year period. The chapter headings outline the contents: Description of the Study Area, Classification of Crop Field Borders, Field Borders in Relation to Farm Management, Insect Populations in Crop Field Borders, Litter Inhabiting Insects, Sweep-Net Collections, Insect Pests in Crop Field Borders and Adjacent Crop Fields, Field Border Birds in Relation to Crop Pests, Small Mammals in Relation to Field Borders, Other Vertebrates.

APPLIED SILVICULTURE IN THE UNITED STATES, by R. H. Westvold. 2nd ed. Wiley, 1949. 590p. 99.45 W52 Ed.2

In the revision of this volume "the chief objective...was to include the advances in silviculture in the past 10 years. This has necessitated a few fundamental changes. The most important of these is concerned with the handling of data on prices, costs, and profits. Gradual inflation since 1941, and especially since 1945, makes values expressed in dollars and cents rather meaningless. Most of the monetary values have therefore been deleted. Wherever possible they have been replaced by man-hours of time or by ratios to show relative values. Two other changes of note have been made to conform with the latest revisions in tree names and in forest-type classification." Preface.

SELECTED BULLETINS

Agricultural Economics

"Comparative Costs of Grain Storage on Farms and in Elevators," by A. L. Larson and others. Okla. Agr. Expt. Sta. Bul. B-349. 1950. 9p. 100 Ok4B

"Effect of Increases in Freight Rates on Agricultural Products," by D. E. Church. USDA Cir. 847. 1950. 39p. 1 Ag84C 847

"Insurance for Farmers: Fire...Windstorm...Crop-Hail...Liability...and...Life," by R. R. Botts. USDA Farmers' Bul. 2016. 1950. 17p. 1 Ag84F 2016

Agricultural Engineering

"The Brushland Plow," by T. Coldwell and J. F. Pechanec. Pacific Northwest Forest and Range Expt. Sta. Res. Note 64. 1950. 7p. 1.9 F7629Fr 64

"A Hop Drier for Oregon Farms," by C. I. Branton. Ore. Agr. Expt. Sta. Sta. Bul. 474. 1950. 6p. 100 Or3 474

"Measuring Water in Irrigation Channels With Parshall Flumes and Small Weirs," by R. L. Parshall. USDA Cir. 843. 1950. 62p. 1 Ag84C 843

Agronomy

"Cotton Growing in Southwestern Oklahoma: A Comparison of Present Methods and Recommended Practices," by W. F. Lagrone. Okla. Agr. Expt. Sta. Bul. B-350. 1950. 35p. 100 Ok4B B-350

"Grain Sorghum for Grain or Grazing," by W. R. Thompson. Miss. Agr. Col. Ext. Agron. Folder 9. 1949. 275.29 M68E 9

"Growing Soybeans in Oklahoma," by C. L. Canode. Okla. Agr. Expt. Sta. Bul. B-347. 1950. 19p. 100 Ok4B B-347

"Johnson Grass," by W. R. Thompson. Miss. Agr. Col. Ext. Agron. Folder 8. 1949. 275.29 M68E 8

"Kudzu." Miss. Agr. Col. Ext. Ser. 275.29 M68

"Lespedeza," by W. R. Thompson. Miss. Agr. Col. Ext. Agron. Folder 5. 1949. 275.29 M68E

"Lespedeza Sericea." Miss. Agr. Col. Ext. Ser. 275.29 M68

"O-200, A New Early Variety of Oats For Missouri," by J. M. Poehlman. Mo. Agr. Expt. Sta. Bul. 534. 1949. 15p. 100 M693 534

Brush Control

"Effects of Controlled Burning on Bitterbrush on the Upper Snake River Plains," by J. P. Blaisdell. Intermountain Forest and Range Expt. Sta. Res. Paper 20. 1950. 3p. 1.9622 I2R31

"Interim Report on Chemical Control of Right-of-Way Brush on Rural Power Systems." RFA. 1949. 20p.

"Poison Trees-Bushes-Stumps," by J. S. Therrell and W. R. Thompson. Miss. Agr. Col. Ext. Folder 10. 1949. 275.29 M68E

Cattle

"Crossbred Types of Beef Cattle for the Gulf Coast Region," by A. L. Baker and W.H. Black. USDA Cir. 844. 1950. 23p. 1 Ag84C 844

"Environmental Physiology With Special Reference To Domestic Animals."

VII. Influence of Temperature, 50 (degrees) to 5 (degrees) F and 50 (degrees) to 95 (degrees) F, on Heat Production and Cardiorespiratory Activities of Dairy Cattle. Mo. Agr. Expt. Sta. Res. Bul. 450. 1949.

VIII. Influence of Ambient Temperature, 0 (degrees) to 105 (degrees) F, on Insensible Weight Loss and Moisture Vaporization in Holstein and Jersey Cattle. Mo. Agr. Expt. Sta. Res. Bul. 451. 1949.

Feeds and Feeding

"Animal Protein and Related Factors in Animal Nutrition," by H. R. Bird. BAI A.H.D. 128. 1949. 3p. 1.9 An52Ah

"Citrus Molasses and Corn Molasses Compared With Ground Milo in Rations for Fattening Beef Calves," by J. K. Riggs and others. Tex. Agr. Expt. Sta. Progress Rpt. 1252. 1950. 3p. 100 T31P 1252

"Feeding Dairy Cows," by D. M. Seath. Ky. Agr. Col. Ext. Cir. 474. 36p. 275.29 W415

Fertilizers

"Fertilizer Experiments on Grasslands in the Northeastern Region," by R. R. Robinson and R. J. Garber. Pa. Agr. Expt. Sta. Bul. 518. 1949. 36p. 100 P381 518

"Fertilizers Boost Yields of Small Grains, Grasses, and Legumes," by L. B. Nelson and H. R. Meldrum. Iowa Agr. Ext. Ser. Bul. P100. 275.29 I09P

"More Efficient Use of Fertilizers Through Soil Testing," by A. W. Klemme and W. A. Albrecht. Mo. Agr. Expt. Sta. Bul. 531. 1949. 17p. 100 M693

Forestry

"Better Douglas Fir Forests From Better Seed," by L. A. Isaac. Univ. of Wash. press, 1949. 64p.

"Collecting and Planting Seeds of Wisconsin Cone-Bearing Trees," by R. W. Abbot. Wis. Agr. Col. Ext. Sten. Cir. 286. 1949. 8p. 275.29 W75C

"Comparison of Wood Preservatives in Mississippi Post Study (1950 Progress Report)," by J. O. Blew. U. S. Forest Products Laboratory Mimeo. R1757. 1950. 11p. 1.9 F761

- "Comparison of Wood Preservatives in Stake Tests (1950 Progress Report)," by J. O. Blew. U. S. Forest Products Laboratory. R1761. 7p. 1.9 F761
- "Does Farm Timber Growing Pay in the South?" USDA Leaflet 277. 1 Ag84L
- "Effect of Prescribed Burns and Shelterwood Cutting on Reproduction of Short-leaf and Pitch Pine," by S. Little and E. B. Moore. Northeastern Forest Expt. Sta. Sta. Paper 35. 1950. 11p. 1.9622 N2St22 35
- "The Farm Windbreak," by F. B. Trenk. Wis. Agr. Col. Ext. Cir. 267. Revised 1949. 8p. 275.29 W75C 267
- "Field Tests of Farm Woodland Practices: Tree Planting Studies. Tenth Year Progress Report." SCS, Southern Piedmont Conservation Expt. Sta. 1950. 1.96 R31Rev
- "The Forest Crop Law and Private Forest Taxation in Wisconsin," by G. S. Wehrwein and R. Barlowe. Wis. Conservation Department Bul. 519. 1935. 83p. 97.57 W42
- "Oak Wilt," by Curtis May. PISAE. Rev. 1950. 2p. 1.965 F30a4
- "Pines Make Good Growth on Northeast Mississippi's Idle Acres," by J. E. Davis. Miss. Agr. Expt. Sta. Inf. Sheet 437. 1949. 100 M69In 437
- "Rehabilitation of Lands Stripped for Coal in Ohio," by G. A. Limstrom and R. W. Merz. Central States Forest Expt. Sta. Tech. Paper 113. 1949. 41p. 1.9622 C3T222
- "Resistance of Pine Hybrids to the Pine Reproduction Weevil," by J. M. Miller. Calif. Forest and Range Expt. Sta. Forest Res. Notes 68. 1950. 17p. 1.9 F7626R
- "Slash Disposal in Oak-Pine Stands of Southern New Jersey," by S. Little and H. A. Somes. Northeastern Forest Expt. Sta. Sta. Paper 31. 1949. 12p. 1.9622 N2St22
- "Some Observations on Soil Freezing in Forest and Range Lands of the Pacific Northwest," by C. D. Hale. Pacific Northwest Forest and Range Expt. Sta. Research Notes 66. 1950. 17p. 1.9 F7629Fr 66
- "Some Fertilizer Experiments With Deciduous Forest Tree Seedlings on Several Iowa Soils," by A. L. McComb. Iowa Agr. Expt. Sta. Res. Bul. 369. 1949. 100 Io9 369
- "Thinning Young Oak Stands For Small Mine Timbers - At A Profit," by S. M. Filip. Northeastern Forest Expt. Sta. St. Paper 28. 1949. 13p. 1.9622 N2St22
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Horticulture

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- "Effect of Cover Crops and Tile Drainage on Growth and Yield of Peaches," by A. J. Olney and others. Ky. Agr. Expt. Sta. Bul. 547. 1950. 8p. 100 K41B
- "Effects of Fertilizers upon the Yield, Grade and Marketability of Cabbage," by C. A. Burleson and others. Tex. Agr. Expt. Sta. Progress Rpt. 1255. 3p. 100 T31P 1255

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"Spraying Tomato Foliage with Sucrose to Increase Carbohydrates and Protect Against Injury by Urea Sprays," by E. M. Emmert and J. E. Klinker. Ky. Agr. Expt. Sta. Bul. 550. 1950. 6p. 100 K41B

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"Farmhouse Plans for Minimum Budgets." USDA Leaflet 287. 1950. 1 Ag84L

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Insects and Insecticides

"Control of the Citrus Rust Mite," by H. Spencer and M. R. Osburn. USDA Farmers' Bul. 2012. 1950. 8p. 1 Ag84F 2012

"How to Control Common Garden Insects," by W. A. Price and J. G. Rodriguez. Ky. Agr. Col. Ext. Cir. 479. 1950. 11p. 275.29 K415

"An Improved Trap for Collecting Aphids," by E. W. Davis and E. J. Landis. BEPQ. ET-278. 1949. 1.9 En83Et 278

"Preliminary Tests of Synthetic Organic Compounds as Insecticides. Part VI," by G. T. Rottger and others. BEPQ E-790. 1949. 18p. 1.9 En83 790

"A Second List of Publications on Benzene Hexachloride," by C. V. Bowen. BEPQ. E-755. 1948. 38p. 1.9 En83

Plant Diseases

"Diseases of Carrots," by J. G. Brown. Ariz. Agr. Expt. Sta. Bul. 227. 1950. 19p. 100 Ar4B 227

"The Effects of Excess Solutes, Temperature and Moisture Upon Damping-Off," by W. S. Beach. Pa. Agr. Expt. Sta. Bul. 509. 1949. 29p. 100 P381

"Soil Treatments With Sulphur and Other Chemicals to Control Cotton Root Rot in Central East Texas," by P. A. Young. Tex. Agr. Expt. Sta. Progress Rpt. 1254. 1950. 3p. 100 T31P 1254

"Stem Anthracnose of Lima Beans," by R. S. Cox. N. C. Agr. Expt. Sta. Tech. Bul. 90. 1950. 28p. 100 N81T

Poultry

"Breeding for Poultry Improvement," by C. J. Maupin and E. W. Glazner. N. C. Agr. Col. Ext. Cir. 244. 1950. 16p. 275.29 N811

"Coccidiosis in Chickens and Other Birds," by A. J. Durant and H. C. McDougale. Mo. Agr. Expt. Sta. Bul. 536. (Bul. 512 revised) 1950. 11p. 100 M693

"Home-Built Electric Brooders," by D. E. Kirk. Ore. Agr. Expt. Sta. Sta. Bul. 478. 1950. 8p. 100 Or3

"Poultry Range Shelter," by D. F. King. Ala. Agr. Expt. Sta. Leaflet 28. 1950. 100 AL12 28

Range and Pasture

"Converting Standard Seeding Rates for Grasses to Actual Seeding Rates Per Acre," by J. F. Pechanec. Pacific Northwest Forest and Range Expt. Sta.

Res. Notes 67. 1950. 3p. 1.9 F7628Fr 67

"Graze Hogs for 12 Months." N. C. Agr. Col. Ext. Folder 67. Revised 1949.
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"How Do You Graze Your Range?" SCS Region 7. Revised 1949. 1.9609 H83

"1949 Data From the Wyoming Agricultural Experiment Station Grass Nurseries,"
by L. C. Sutton. Wyoming Range Management Issue 16. 1949. 3p. 60.19 W99

"Pastures for Georgia," by E. D. Alexander and others. Ga. Agr. Col. Ext. Cir.
304. 1949. Revised. 275.29 G29C 304

"Presenting Both Sides of the Forest Grazing Controversy," by R. Partridge.
Wyoming Range Management Issue 17. 1949. 6p. 60.19 W99 17

"The Ranchers' Stake in Our Farm Economy," address by R. S. Trigg before the
New Mexico Cattle Growers' Association, Mar. 27, 1950. 9p. 1.956 A2T73

"Salt Range Livestock Properly." SCS Region 7. 1949. 1.9609 Sa3

Soils and Soil Conservation

"Man and the Land," address by H. H. Bennett. 1950. 12p. 1.96 Ad62M

"People and Land in Modern Society," address by A. L. Hafenrichter, SCS. 1950.
1.96 Ad6Ha

"Soil Conservation in Our World Economy," address by H. H. Bennett. 1950. 10p.
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"The Southeastern Soil Improvement Station, Heavener, Summary of Results to
Date," prepared for Field Day June 14, 1950. Okla. Agr. Expt. Sta. Mimeo.
201. 22p. 100 OK4M 201

"Studies on the Forms and Availability of Soil Organic Phosphorus," by C. A.
Bower. Iowa Agr. Expt. Sta. Res. Bul. 362. 1949. 100 Io9 362

"Surface Runoff Supply Estimates Based on Soil-Water Movements and Precipitation
Patterns," by L. Schiff. SCS-TP-86. 1949. 18p. 1.96 Ad6Tp 86

"Working Together in Soil Conservation Districts," address by H. H. Bennett.
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Miscollany

"Breeding Behavior at Successive Generations Following Hybridization in Soy-
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"Cobalt Occurrence in Soils and Forages in Relation to A Nutritional Disorder
in Ruminants; A Review of the Literature." USDA Agr. Information Bul. 7.
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"Home Freezing of Foods," by G. A. Shuey. Tenn. Agr. Expt. Sta. Bul. 215. 1950.
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"Home Pasteurization for Safe Milk," by J. E. Edmondson. Mo. Agr. Expt. Sta.
Cir. 342. 1949. 11p. 100 M693C

"Life History of the White Bass, Lepibema chrysops (Rafinesque), of Spirit Lake,
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